

Digital active speaker - SOLITAIRE A3D



The slender A3D floor-standing speaker is the "little brother" of the A2D. In principle the design philosophy is the same, i.e. fully active and fully digital, but the A3D has fewer signal processors and a different type of room correction facility. Separate output stages are included to drive each speaker chassis, with the result that the maximum sound pressure of up to 105 dB is available even in the low frequency range. The transient response and decay spectrum are virtually perfect.

Specifications

Drive units

<i>Bass</i>	2 x 180 mm
<i>Mid-range</i>	2 x 130 mm
<i>High frequency</i>	1 x 26 mm

Output stage specification

<i>Nominal / peak output, bass</i>	2 x 60 / 100 Watts
<i>Mid-range</i>	60 / 100 Watts
<i>High-frequency</i>	60 / 100 Watts
<i>Power bandwidth</i>	5 Hz – 150 kHz
<i>Slew rate</i>	25 V/us
<i>Damping factor</i>	> 400
<i>Signal: noise ratio</i>	105 dBA
<i>Total harmonic distortion</i>	< 0,01 %
<i>Volume control</i>	0 dB to –80 dB, 64 steps

Digital section

<i>Signal processors</i>	2
<i>Linearisation</i>	
<i>Bass</i>	35 Hz
<i>Mid-range</i>	220 Hz
<i>High-frequency</i>	220 Hz
<i>Crossover frequency bass/mid</i>	400 Hz
<i>Crossover frequency, mid/high</i>	3000 Hz

D/A-converters

<i>Number</i>	1
<i>Type, resolution</i>	Sigma / Delta, 20-bit

Tone controls

<i>Bass</i>	+/- 14 dB in 2 dB steps
<i>Treble</i>	+/- 14 dB in 2 dB steps
<i>Frequency response of linearised speaker</i>	35 Hz – 20 kHz / +/- 1 dB

Inputs

<i>Co-ax</i>	SP/DIF, TA/DIE , 0,5 V / 75 Ohms
<i>AT&T optical</i>	Optional
<i>Dimensions H x W x D</i>	113 x 25 x 32 cm
<i>Plinth H x W x D</i>	3 x 29 x 36 cm
<i>Weight</i>	28 kg
<i>Colours</i>	Grey ash, black ash, white ash, natural beech, natural alder
<i>Remote control</i>	Included

We reserve the right to alter technical specifications

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